

# Calibration Standard Offering

Benefit from ready-to-use calibration and validation solutions, customized for Analytik Jena's analyzers.

**Easily calibrate your analyzers** and simplify device installation, qualification, and re-qualification!

Our partner Reagecon has particular expertise in the supply of **high-quality and customized standards** and is able to meet all supply chain and cold chain requirements. Calibration solutions and kits are specifically formulated, manufactured, and tested for Analytik Jena. The listed products are contained within an **aqueous matrix** and are **ready for use**.



Lab work with multi N/C

## **Making lab life easier**

All ready-made standards are acid stabilized for maximum shelf-life, come with full documentation.

Simply put the standard onto the autosampler, start the measurement, and work without analytical trouble!

- No error affected weighing of solid calibration substances
- No time-consuming dissolving of solids anymore
- No more self-made dilutions

Choose your standard of choice from the following overview and order directly with your local distributor! Standards are available for our TOC, AAS, and ICP analyzers.

The solutions are manufactured to order and delivery is made under compliance with the cold chain, if required for the product.



PlasmaQuant MS, PlasmaQuant 9100, contrAA

# TOC Calibration Standards Overview

Product name, description, scope of delivery	Environment	Pharma	Stock solution	Calibration standard	Validation solution	Combustion systems	UV systems	Shelf life (months)	Order no.
	Appli- cation	Use case			Sample digestion method				
TOC stock solution; 1,000 mg/L C, potassium hydrogen phthalate (KHP), 1 L	✓		✓			✓	✓	12	899-TC1MNS
TIC stock solution; 1,000 mg/L C, sodium carbonate and sodium hydrogen carbonate 50:50 mixture, 1 L	✓		✓			✓	✓	12	899-TIC1MNS
TN stock solution; 1,000 mg/L N, potassium nitrate and ammonium sulfate 50:50 mixture, 1 L	✓		✓			✓		12	899-TN1MNS
NPOC calibration kit, UV; drinking water calibration, 1 x prep. water, 100 mL, 1 x 0.5 mg/L C, KHP, 500 mL, acidified by H <sub>2</sub> SO <sub>4</sub>	✓			✓			✓	12	899-TOCC2A
NPOC calibration kit, HTC; drinking water calibration, 0, 0.5, 1.0, 2.5, 5.0 mg/L C, KHP, acidified by HCl, 35 mL	✓			✓		✓		12	899-TOCC1A
TN calibration kit; potassium nitrate / ammonium sulfate solution, 0, 1.0, 2.5, 5.0, 10.0 mg/L, 35 mL	✓			✓		✓		12	899-TOCTNC
USP sucrose TOC solution; 100 mg/L C, 100 mL		✓	✓			✓	✓	3	899-TOCSNS
USP para-benzoquinone TOC solution; 100 mg/L C, 100 mL		✓	✓			✓	✓	2	899-TOCBNS
BSA stock solution; 200 mg/L N, 100 mL		✓	✓			✓		3	899-BSASS2
BSA calibration kit; 0, 1.0, 2.5, 5.0, 10, 15 mg/L N based on Bovine Serum Albumin, 30 mL		✓		✓		✓		3	899-BSASET1
TOC calibration kit 0.6 ppm, HTC; 2 x prep. water, 2 x 0.6 ppm sucrose (USP), acidified by HCl, 35 mL		✓		✓		✓		12	899-TOCC3A
TOC calibration kit 0.6 ppm, UV; 2 x prep. water, 2 x 0.6 ppm sucrose (USP), acidified by H <sub>2</sub> SO <sub>4</sub> , 35 mL		✓		✓			✓	12	899-CLUVSA
TOC SST kit USP, HTC; 2 x prep. water, 1 x 0.5 mg/L C sucrose (USP), 1 x 0.5 mg/L C 1,4-benzoquinone (USP), acidified by HCl, 35 mL		✓			✓	✓		12	899-USPS2A
Linearity test kit, HTC; 1 x prep. water, 100 mL, 1 x 0.5 mg/L C sucrose (USP), 250 mL, acidified by HCl		✓			✓	✓		12	899-LIN1A
JP SST kit, HTC; 2 x prep. water, 2 x 0.6 mg/L C KHP, 2 x 0.5 mg/L C sodium dodecyl benzene sulfonate (SDBS), acidified by HCl, 35 mL		✓			✓	✓		12	899-JPPT1A
TOC SST kit, UV; 2 x prep. water, 1 x 0.5 mg/L C sucrose (USP), 1 x 0.5 mg/L C 1,4-benzoquinone (USP), acidified by H <sub>2</sub> SO <sub>4</sub> , 35 mL		✓			✓		✓	12	899-USPS1SA
Linearity test kit, UV 1; 1 x prep. water, 100 mL, 1 x 0.25 mg/L C sucrose (USP), 500 mL, acidified by H <sub>2</sub> SO <sub>4</sub>		✓			✓		✓	12	899-LIN1SA
Linearity test kit, UV 2; 1 x prep. water, 100 mL, 1 x 0.5 mg/L C sucrose (USP), 500 mL, acidified by H <sub>2</sub> SO <sub>4</sub>		✓			✓		✓	12	899-LIN2SA
JP SST kit, UV; 2 x prep. water, 2 x 0.6 mg/L C KHP, 2 x 0.5 mg/L C sodium dodecyl benzene sulfonate (SDBS), acidified by H <sub>2</sub> SO <sub>4</sub> , 35 mL		✓			✓		✓	12	899-JPPT2SA
TOC preparation water, HTC; acidified by HCl, 500 mL	✓	✓				✓		12	899-W500A
TOC preparation water, UV; acidified by H <sub>2</sub> SO <sub>4</sub> , 500 mL	✓	✓					✓	12	899-W500SA

# ICP and AAS Standards Overview

Product name, description, scope of delivery			Shelf life (months)	Order no.
	ICP	AAS		
ICP-MS tuning solution, 10 mg/L, 100 mL; Be, Mg, Co, In, Ce, Ba, Tl, Pb, Th	✓		24	899-ICPT9B
ICP-MS tuning solution, AMR; 10 mg/L, 100 mL; Be, Mg, Co, In, Ce, Ba, Pb	✓		24	899-ICPT7
ICP internal standard solution; 100 mg/L, 100 mL; Li6, Sc, Y, In, Tb, Bi	✓		12	899-ICPI6A
ICP calibration standard, 4 elements; 100 mg/L, 100 mL; Mo, Sb, Sn, Ti	✓		24	899-ICPC4K
ICP calibration standard, 18 elements; 100 mg/L, 100 mL; Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Se, Th, Tl, U, V, Zn	✓		24	899-ICPC18L
ICP calibration standard, 5 majors; 500 mg/L, 100 mL; K, Ca, Na, Mg, Fe	✓		24	899-ICPC5R
ICP prism calibration 7 elements; 100 mL; Li, Zn, V, Mn (each 1 mg/L), As, P (each 100 mg/L), Ca (250 mg/L)	✓		12	899-ICPC7BP
ICP standard, calcium; 1,000 mg/L, 100 mL	✓		24	899-PC2A2
ICP calibration standard, 5 elements; 1 mg/L, 100 mL; As, Cu, Li, Mn, P	✓		12	899-ICPC5BN
ICP calibration standard, 23 elements; 1,000 mg/L, 100 mL; Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Tl, Zn	✓		24	899-ICPC23Q
AAS standard, 6 elements; 10 mg/L, 100 mL; Pb, Mn, Cu, K, Cr, Fe		✓	12	899-AAMIX6A
AAS standard, copper; 2 mg/L, 100 mL		✓	12	899-AAUC2PM
AAS standard, chromium; 10 µg/L, 100 mL		✓	6	899-PCR01A2
AAS standard, arsenic; 5 µg/L, 100 mL		✓	12	899-AAAS501
AAS standard, 3 elements; 10 mg/L, 100 mL; Co, Mn, Fe		✓	12	899-AAMIX3A
AAS standard, iridium; 1,000 mg/L, 100 mL		✓	24	899-AAIRH

## About Reagecon

All of these standards are produced by Reagecon, in Ireland. The products are tested using accredited test methods, are fully traceable to primary standards where applicable, have optimised shelf life, and are supplied with a Certificate of Analysis and Safety Data Sheet. Reagecon, is one the world's largest producers of standards, reagents, and certified reference materials. The company offers in excess of 10,000 different products, categorised into 54 different product families, which are sold in 175 different countries.



### Headquarters

Analytik Jena GmbH+Co. KG  
Konrad-Zuse-Str. 1  
07745 Jena · Germany

Phone +49 3641 77 70  
Fax +49 3641 77 9279  
info@analytik-jena.com  
www.analytik-jena.com

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Subjects to changes in design and scope of delivery as well as further technical development!